

BRIAN MARKS

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SKILLS

Computer Science and Programming

- Programming in Python, PHP, Perl, Ksh, Awk, C#, C++, Java, Assembly, MATLAB
- Database design, normalization, and queries in MySQL and MSSQL
- Game programming, design, and AI in XNA using C#
- Agile software engineering with scrum methodology
- Cryptographic techniques using Crypto++ and Python's cryptography library
- Management and tool design in ClearCase environment
- Basic Android app design in Java.

Projects

- Social networking site called 'Wildbook' for outdoor events and activities.
- 2D platforming game with complicated 'boss' AI called 'Acid Island.'
- Web-based computer hardware resale and compatibility application.
- Block file system using Lind-fuse and RePy
- Cryptographic tool to use frequency analysis to decrypt cipher texts similar to WEP

EXPERIENCE

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| June 2015 –
August 2015 | Software Development Environment Intern, <i>Alcatel-Lucent</i> <ul style="list-style-type: none">· Develop Unix and Windows utilities to assist developers working on LTE features· Used Perl, Ksh, and Awk to develop several tools to sift through ClearCase data to develop statistics of usage of views and vobs· Used PHP, Javascript, and HTML to develop a web site to create custom pivoted reports |
| November 2014 –
Present | Peer Tutoring, <i>New York University</i> <ul style="list-style-type: none">· Tutor students in the areas of Math, Science, and Computer Science. |
| June 2013 –
December 2014 | Technical Consultant, <i>Ford Foundation</i> <ul style="list-style-type: none">· Develop small scripts as well as medium sized applications to assist in server management, application deployment, and report generating.· Develop and maintain database systems and Microsoft servers.· Manage various security software such as Bit9, CarbonBlack, and Symantec Antivirus. |
| September 2010 –
June 2012 | Help Desk Support, <i>NYC Department of Education</i> <ul style="list-style-type: none">· Provide technical support to various network, hardware, and software related issues. |

EDUCATION

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| May 2016 (Exp.) | Bachelors in Computer Science Minor in Mathematics, <i>NYU Polytechnic School of Engineering</i> – GPA: 3.745 |
| June 2012 | Advanced Regents Diploma with Honors, <i>Herbert H. Lehman High School</i> – Rank 3 |